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**Exhibit 1**

**The Claims as of October 2007**

**Claim 1 (Withdrawn):** A pharmaceutical composition comprising a pharmaceutical carrier and at least one compound in isolated or purified form selected from the group consisting of cobaltocene-octomet and stigmastan-3,5,-diene.

**Claim 2 (Withdrawn):** The pharmaceutical composition of claim 1, wherein the compound is cobaltocene-octomet.

**Claim 3 (Withdrawn):** The pharmaceutical composition of claim 1, wherein the compound is stigmastan-3,5,-diene.

**Claim 4 (Withdrawn):** The pharmaceutical composition of claim 1, comprising cobaltocene-octomet, stigmastan-3,5,-diene, and friedelin.

**Claim 5 (Withdrawn):** The pharmaceutical composition of claim 1, further comprising at least one compound selected from the group consisting of  $\alpha$ -caryophyllene,  $\beta$ -caryophyllene, caryophyllene oxide, friedelin, cyclododecane, acetic acid, and a terpene.

**Claim 6 (Withdrawn):** The pharmaceutical composition of claim 2, further comprising a terpene or acetic acid.

**Claim 7 (Withdrawn):** The pharmaceutical composition of claim 6, wherein said terpene is  $\beta$ -myrceane.

**Claim 8 (Withdrawn):** The pharmaceutical composition of claim 6, further comprising hexadecanoic acid.

**Claim 9 (Withdrawn):** A pharmaceutical composition comprising a pharmaceutical carrier and at least one compound selected from the group consisting of galoxolide and benzyl salicylate.

**Claim 10 (Withdrawn):** The pharmaceutical composition of claim 9, comprising galoxolide and benzyl salicylate.

**Claim 11 (Withdrawn):** The pharmaceutical composition of claim 9, further comprising at least one compound selected from the group consisting of 3-cyclohexane-1-methanol, camphene, 1,4-cycloprop-azulene, and phytol.

Claim 12 (Withdrawn): The pharmaceutical composition of claim 9, wherein the compound is galaxolide.

Claim 13 (Withdrawn): The pharmaceutical composition of claim 9, wherein the compound is benzyl salicylate.

Claim 14 (Withdrawn): The pharmaceutical composition of claim 9, wherein the compound is  $\alpha$ -pinene.

Claim 15 (Withdrawn): A pharmaceutical composition comprising a pharmaceutical carrier and at least one compound selected from the group consisting of galaxolide, benzyl salicylate, eucalyptol and  $\alpha$ -pinene, wherein the composition has antimycobacterial activity.

Claims 16-25 (Canceled)

Claim 26 (Withdrawn): A method of inhibiting the growth of a mycobacterium, comprising administering a composition comprising a carrier and at least one compound selected from among cobaltocene-octomet, stigmastan, 3,5-diene, galaxolide, benzyl salicylate, eucalyptol, and  $\alpha$ -pinene.

Claim 27 (Withdrawn): The method of claim 26, wherein said *M. avium*, *M. bovis*, *M. intracellulare*, *M. kansasii*, *M. leprae*, *M. marinum*, *M. phlie*, *M. scrofulaceum*, *M. smegmatis*, *M. fortuitum*, *M. tuberculosis*, or *M. ulcerans*.

Claim 28 (Withdrawn): The method of claim 26, wherein said mycobacterium is in a mammal and said mammal is a human or a bovine.

Claim 29 (Withdrawn): The method of claim 28, wherein said composition is administered orally.

Claim 30 (Withdrawn): The pharmaceutical composition of claim 15, wherein the compound is eucalyptol.

Claim 31 (Withdrawn): The pharmaceutical composition of claim 15, wherein the compound is  $\alpha$ -pinene.

Claim 32 (Currently amended): A method of preparing a composition having antimicrobial activity comprising extracting a plant material in an organic solvent to obtain extracted material, contacting the extracted material with a chromatographic separation system, and eluting from the chromatographic separation system with a mobile polar phase to obtain a composition, wherein the plant material is from ~~leaves of *Mammea Americana*, *Marchantia* spp. or *Callistemon citrinus*~~ and wherein the composition has antimicrobial activity.

Claim 33 (Previously presented): The method of claim 32, wherein said plant is *Mammea Americana mamey Amarillo*.

Claim 34 (Withdrawn): The method of claim 32, wherein said plant is *Marchantaceae polymorpha hepatica*.

Claim 35 (Withdrawn): The method of claim 32, wherein said plant is *Callistemon citrinus skeels*.

Claim 36 (Cancel)

Claim 37 (Cancel)

Claim 38 (Cancel)

Claim 39 (Currently amended): The method of claim 326, wherein said composition comprises stigmastan-3,5,-diene.

Claim 40 (Currently amended): The method of claim 326, wherein said composition further comprises at least one compound selected from the group consisting of  ~~$\alpha$ -earyophylene,  $\beta$ -earyophylene, earyophylene oxide, friedelin, cyclododecane, acetic acid, and a terpene.~~

Claim 41 (Currently amended): The method of claim 396, wherein said composition further comprises friedelin.

Claim 42 (Withdrawn): The method of claim 32, wherein said plant material is from leaves of *Marchantaceae polymorpha* and said composition comprises cobaltocene-octomet.

Claim 43 (Withdrawn): The method of claim 42, wherein said composition further comprises at least one compound selected from the group consisting of  $\beta$ -myrceane, acetic acid, and hexadecanoic acid.

Claim 44 (Withdrawn): The method of claim 42, wherein said composition further comprises  $\beta$ -myrceane.

Claim 45 (Withdrawn): The method of claim 32, wherein said plant material is from leaves of *Callistemon citrinus* and said composition comprises at least one compound selected from the group consisting of galoxolide, benzyl salicylate, and  $\alpha$ -pinene.

Claim 46 (Withdrawn): The method of claim 45, wherein said composition further comprises at least one compound selected from the group consisting of eucalyptol, a terpene, 3-cyclohexane-1-methanol, camphene, 1,4-cycloprop-azulene, and phytol.

Claim 47 (Previously presented): The method of claim 32, wherein the organic solvent is methylene chloride.

Claim 48 (Previously presented): The method of claim 32, wherein the antimicrobial activity is against a mycobacterium.

Claim 49 (Previously presented): The method of claim 48, wherein the mycobacterium is *M. avium*, *M. bovis*, *M. intracellulare*, *M. kansaii*, *M. leprae*, *M. marinum*, *M. phlei*, *M. scrofulaceum*, *M. smegmatis*, *M. fortuitum*, *M. tuberculosis*, or *M. ulcerans*.

Claim 50 (Cancel)

Claim 51 (Cancel)

Claim 52 (Cancel)

Claim 53 (Cancel)

Claim 54 (Cancel)

Claim 55 (Cancel)